

WHAT IS CLAIMED IS:

1. A flange for connecting a fan to a manway which enables the extension
5 of lines from the exterior of said manway through said manway having said fan attached
thereto, said flange comprising:

a. a top plate for connecting said flange to said fan, said top plate having a
generally circular opening in the center thereof,

10 b. a bottom plate for connecting said flange to said manway, said bottom
plate having a generally circular opening in the center thereof, and

15 c. a hollow sleeve having a cylindrical wall terminating in two generally
circular ends, one of said two ends being connected to said bottom plate at the periphery
of said opening in said bottom plate, and the other of said two ends being connected to
said top plate at the periphery of said opening in said top plate, said sleeve having at
least one opening in said wall for receipt of said lines.

2. The flange of claim 1 wherein said top plate is parallel to said bottom
plate.

3. The flange of claim 2 wherein said top plate has a plurality of openings
therein for receipt of a fastener.

20 4. The flange of claim 3 wherein said openings are slots.

5. The flange of claim 3 wherein said bottom plate has a plurality of
openings therein for receipt of a fastener.

25 6. The flange of claim 5 wherein said fastener is a bolt.

7. The flange of claim 1 wherein said top plate is circular in shape.

8. The flange of claim 1 wherein said bottom plate is circular in shape.

9. The flange of claim 1 wherein said wall of said sleeve is perpendicular to said bottom plate and said top plate.

10. The flange of claim 1 wherein said top plate is parallel to said bottom plate, and said wall of said sleeve is perpendicular to said bottom plate and said top plate.

5 11. The flange of claim 10 wherein said top plate has a plurality of openings therein for receipt of a fastener.

12. The flange of claim 11 wherein said openings are slots.

10 13. The flange of claim 11 wherein said bottom plate has a plurality of openings therein for receipt of a fastener.

14. The flange of claim 13 wherein said fastener is a bolt.

15 15. The flange of claim 13 wherein said top plate is circular in shape.

16. The flange of claim 15 wherein said bottom plate is circular in shape.

17. A flange for connecting a fan to a manway which enables the extension of lines from the exterior of said manway through said manway having said fan attached thereto, said flange comprising:

20 a. a circular top plate for connecting said flange to said fan, said top plate having a generally circular opening in the center thereof,

b. a circular bottom plate for connecting said flange to said manway, said bottom plate having a generally circular opening in the center thereof, and

25 c. a hollow sleeve having a cylindrical wall terminating in two generally circular ends, one of said two ends being connected to said bottom plate at the periphery of said opening in said bottom plate, and the other of said two ends being connected to said top plate at the periphery of said opening in said top plate, said sleeve having at least one opening in said wall for receipt of said lines, wherein said top plate is parallel

to said bottom plate, and said wall of said sleeve is perpendicular to said bottom plate and said top plate.

18. The flange of claim 17 wherein said top plate has a plurality of openings therein for receipt of a fastener.

5 19. The flange of claim 18 wherein said bottom plate has a plurality of openings therein for receipt of a fastener.

20. The flange of claim 19 wherein said fastener is a bolt.